

COGTRM3

Pack packages with radioactive material in preparation for transport



Overview

This unit is for you if you carry out the role of packer in the transportation of radioactive material, as part of your job. The packer packs, or 'loads' packages with radioactive material.

The unit deals with the following:

- 1 preparing to pack or 'load' packages
- 2 assembling packages
- 3 packing, or 'loading' packages with radioactive material

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.

This unit is relevant to people who pack, or 'load' packages with radioactive material in preparation for transportation by any mode.

Previous Version:

Not applicable

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Performance criteria

- You must be able to:*
- P1 ensure that all relevant information is available in accordance with operational and regulatory requirements
 - P2 check that the packaging is as specified for the radioactive material being transported
 - P3 verify that redundant labels have been removed
 - P4 use tools, personal protective equipment and work methods as specified for the job
 - P5 follow all work instructions for the job
 - P6 prepare packaging for loading
 - P7 carry out visual inspection of packaging to verify that all components are present and there is no obvious damage to any component
 - P8 carry out visual inspection of packaging to verify that all components are present and there is no obvious damage to any component
 - P9 deal with damage in accordance with operational and regulatory requirements
 - P10 load package in accordance with certificate of approval and handling instructions
 - P11 ensure that all specified tests are performed in accordance with operational and regulatory requirements
 - P12 attach labels and markings in accordance with operational and regulatory requirements
 - P13 use communication channels with all participants effectively
 - P14 comply with operational and regulatory requirements at all times

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Knowledge and understanding

You need to know and understand:

- K1 the nature of radiation, its hazards and protection measures
- K2 quality assurance principles and practices
- K3 the types of package, their applications and required approvals
- K4 identification of radioactive material including UN numbers and Proper Shipping Names
- K5 safe working practices; relevant health and safety and other operational and regulatory requirements
- K6 the information required to do the job
- K7 the tools and personal protective equipment for the job
- K8 how to interpret and implement the packing and handling instructions
- K9 how to identify damage to, and non-conformance in, the packaging components and what to do in either event
- K10 the significance of pre-shipment tests
- K11 the importance of labels and markings and of removing redundant labels

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Additional Information

Glossary

Labelling

Indication on a package of its contents, activity, transport index, criticality safety index as appropriate, and any other information, as required by the transport regulations

Marking

Indication, on a package, of information including the consignor or consignee, the UN Number and proper shipping name of the contents, the package type and other data, as required by the transport regulations

Operational and regulatory requirements

The organisation's procedures, local management instructions, operating procedures, guidelines, codes of practice, regulations, legislation

Package

The packaging with its radioactive contents as presented for transport

Packaging

The assembly of components necessary to enclose the radioactive contents. It may consist of one or more receptacles, absorbent materials, spacing structures, radiation shielding and service equipment for filling, emptying, venting and pressure relief.

The packaging may be a box, drum or similar receptacle, or may also be a freight container, tank or intermediate bulk container.

Personal protective equipment

Equipment or work wear to protect the worker from radiation and other hazards

Specified tests

These could include radiation monitoring and leak testing, pre-shipment tests

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