
Overview

This unit is for you if you unload radioactive material from conveyances, as part of your job. The unit deals with the following:

- 1 Preparing to unload radioactive material from the conveyance
- 2 Unloading radioactive material from the conveyance

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 unload radioactive material from conveyances – including that used in medical, research, industrial and nuclear applications, transported by any mode of transport.

Previous Version:

Not applicable

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Unload radioactive material from conveyances

Performance criteria

- You must be able to:*
- P1 identify the person responsible for receiving the consignment of radioactive material
 - P2 ensure that the unloading area is suitable and safe for the unloading
 - P3 use the appropriate personal protective equipment
 - P4 identify the consignment to be unloaded from the conveyance
 - P5 check packages for damage and deal with any damaged ones in accordance with operational and regulatory requirements
 - P6 unload the conveyance in a properly planned manner and in the appropriate way for the type of consignment
 - P7 implement any special requirements for unloading the consignment, in accordance with operational and regulatory requirements
 - P8 comply with regulatory requirements concerning segregation and separation of packages in the unloading area
 - P9 deal appropriately with any problems with unloading, in accordance with organisational and regulatory requirements
 - P10 take action to minimise radiation exposure
 - P11 complete all relevant documentation in accordance with operational and regulatory requirements
 - P12 use communication channels with all participants effectively
 - P13 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 how to identify the person responsible for receiving the consignment of radioactive material
- K3 the requirements of a safe and suitable unloading area
- K4 the appropriate personal protection equipment and how to use it
- K5 how to identify the consignment to be unloaded from the conveyance
- K6 how to unload the consignment
- K7 special requirements that apply to radioactive material when unloading
- K8 how to recognise and deal with damage to packages
- K9 regulatory requirements concerning labelling, plating and placarding of radioactive material
- K10 regulatory requirements concerning segregation and separation of different types of radioactive material and other non-radioactive goods
- K11 problems that occur with unloading conveyances and how to deal with them
- K12 how to minimise radiation exposure
- K13 relevant documentation relating to unloading the consignment
- K14 emergency and security provisions relating to the specific nature of the cargo
- K15 operational and regulatory requirements relating to unloading conveyances of radioactive material packages

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Additional Information

Glossary

Consignment

Any package, packages, or load of radioactive material presented by a consignor for transport

Conveyance

For transport by:

- 1 road or rail: any vehicle
- 2 water: any vessel, or any hold, compartment or defined deck area of a vessel
- 3 air: any aircraft

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

Package

The packaging with its radioactive contents as presented for transport

Participants in transportation of radioactive material

Consignor, consignee, carrier, packer, loader/unloader, driver, Dangerous Goods Safety Adviser, Radiation Protection Adviser

Personal protective equipment

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

Placarding

Visible indication on the outside of a conveyance that it is carrying dangerous goods, and identifying the class and in certain cases the UN number of the dangerous goods being carried, as required by the transport regulations

Plating

The attachment of an orange plate to a conveyance carrying dangerous goods as required by the regulations for carriage of dangerous goods by road

Operational and regulatory requirements

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

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Suite Transportation of Radioactive Materials

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