

Radiation Safety Office  
QEII Bethune Building  
Room 244  
1276 South Park Street  
Halifax, Nova Scotia  
B3H 2Y9  
Phone: (902) 473-2767

# Radiation Safety

## Transportation of Dangerous Goods

### Class 7 Radioactive Material

### Quiz #1 - Receiving

Employee Name (PRINT) \_\_\_\_\_

Department \_\_\_\_\_ Date: \_\_\_\_\_

**MULTIPLE CHOICE:** Circle only one answer (A, B, C or D) that best answers the question.

1. You are checking a package of radioactive material that the courier has shown you. You notice that the shipping address is for a different company. What should you do?
  - A. Call the vendor to see if they want you to forward the package.
  - B. Receive the package and use the material if possible.
  - C. Refuse to accept the package from the courier.
  - D. Sign for the package and notify the Canadian Nuclear Safety Commission.
2. What must be done prior to disposing the package material from a shipment?
  - A. Confirm that the primary container is not contaminated.
  - B. Ensure a wipe test is done on all surfaces of all packing material.
  - C. Enter the information of the contents into the inventory record.
  - D. Segregate the packaging material by package type.
3. What is the non-fixed contamination limit for beta and gamma emitters for a package?
  - A. 0.04 Bq/cm<sup>2</sup>.

- B.** 0.4 Bq/cm<sup>2</sup>.
  - C.** 4.0 Bq/cm<sup>2</sup>.
  - D.** 40 Bq/cm<sup>2</sup>.
- 4.** You get a call from receiving indicating there is liquid coming from the corner of a radioactive package. What should you advise them to do?
- A.** Put it in another box and send it back to the supplier.
  - B.** Pick up the box and put it in the closest garbage can.
  - C.** Drop absorbent pads on the liquid, keep clear of the spill and wait until help arrives.
  - D.** Clean the spill and send all material used, as well as the package, to your department.
- 5.** What would NOT be part of the initial receiving inspection of a Class 7 package?
- A.** Check for package damage.
  - B.** Check for evidence of tampering.
  - C.** Check for contamination by wipe testing.
  - D.** Check to see if the outer package is leaking.
- 6.** Select the standard personal protective equipment when opening Class 7 packages.
- A.** Lab coat, disposable gloves, face shield.
  - B.** Lab coat, lead gloves, ring badge.
  - C.** Disposable gloves, whole body badge, lab coat
  - D.** Whole body badge, eye protection, ring badge.

**TRUE OR FALSE: Select whether the statement is True or False and circle the choice.**

7.    **T**            **F**            A pancake probe can be used to verify the dose rate when receiving a Class 7 package.
8.    **T**            **F**            Radiation warning signs must be removed ore defaced prior to package disposal.
9.    Select the procedures that are appropriate for receiving Class 7 radioactive packages.  
**Check all the boxes that apply.**
- Deliver to the department without delay.
  - Leave on loading dock until authorized personnel pick up the package.
  - Only authorized personnel are permitted to open the package.
  - If the package is undeliverable, store it in secured after hours location.
  - Conduct a wipe test before delivering the package to the department.
10.   Select all the events that must be reported to the radiation safety officer.  
**Check all the boxes that apply.**
- incorrect address or delivery if the package was already received.
  - radiation levels in excess of labeling or  $>2\text{mSv/hr}$  at surface
  - wipe test reading was  $1\text{Bq/cm}^2$
  - hospital receving calls before the expected delivery time to tell you they have a Class 7 package
  - the typical shipper tape appears to have been replaced with different tape on a class 7 package

## **Acknowledgement of Training**

*By submitting this document, I have read the handbook and understand the radiation safety concepts that relate to my job and also accept the accountability to ask questions or clarify procedures I do not understand regarding radiation safety in the workplace.*

**I Agree - Submit**

Reference number 62 Transportation of Dangerous Goods Class 7 Receiving Quiz #1 Refresher (2011-09-390)

*The Radiation Safety Program functions as a part of the Occupational Health Safety and Programs and is committed to provide a safe work environment relating to nuclear substances and radiation devices in diagnostic, therapeutic and research procedures.*